

GCTGCGGTAGCATTGCCGCTGCTGCTGTTGTTGGCGTCACTGGTCACCCCAACCCAGC
GCGTGACCCCTTCGCTCCGCAGCTCGGGGACACTCAGAGGTGCCAGCAGCGGTGTCGCC
AGCACCAACCTGGCTCGCCTCCTGCGCAGCCTGAGCCAGAGGGTCCCTCAGAGTCCCCG
AATAACAAGGCTATCCTGATCAGTGCTTGTGAGCGTGGCTGTCGGCTTTTCTCCATCTG
CCGCTTTGTGGCCAAGAGCTCTAGGCCCAATGCCACAGAGACAGAATGTGAAGCAGCCT
GCACAGAAGCTTACGTGAAGGCAGCGGAGCAACGGGCCTGCAGTGAGGGGTGCTGGG
(SEQ ID NO:1)

FIGURE 1

Construct

Underlined = deleted in targeting construct

Bold = sequence flanking Neo insert in targeting construct

GCTGCGGTAGCATTGCCGCTGCTGCTGTTGTTGGCGTCACTGGTCACCCCAACCCCAGCG
CGTGACCCCTTCGCTCCGCAGCTCGGGGACACTCAGAGGTGCCAGCAGCGGTGTCGCCAG
CACCACCCTGGCTCGCCTCCTGCGCAG**CCTGAGCCAGAGGGTCCCTCAGAGTCCCCGAAT**
AACAAGGCTATCCTGATCAGTGCTTGTGAGCGTGGCTGTCGGCTTTTCTCCATCTGCCGC
TTTGTGGCCAAGAGCTCTAGGCCCAATGCCACAGAGACAGAATGTGAAGCAGCCTGCACA
GAAGCTTACGTGAAGGCAGCGGAGCAACGGGCCTGCAGTGAGGGGTGCTGGG

FIGURE 2A

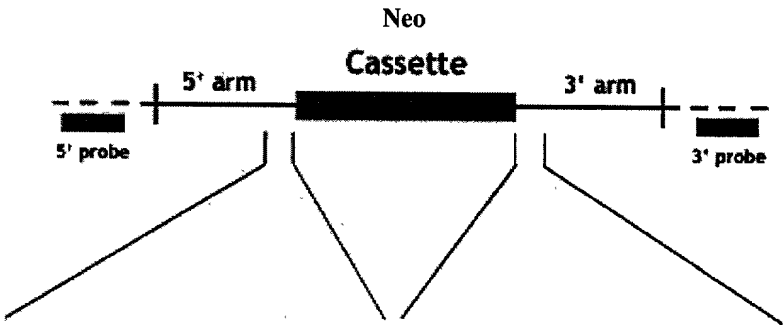
Gene Sequence
Structure * 227 bp Sequence Deleted 260 bp

Size of EST: 352 bp



Targeting Vector*
(genomic sequence)
Construct Number: 23

Arm Length:
5': 6.8 kb
3': 1.8 kb



———— Targeting Vector
----- Endogenous Locus

* Not drawn to scale

5' >ACCCCTCCCCCATGATGATC CTGGCTTTCTGAAACCTGACTTCA GTCTCGTGGATTCTTAGGGGGACC CCAGCCTTCTTCCCCGAGTACCTT TGCCTGAGTCTCTTATCTCCCTTC CCAGCCTGAGCCAGAGGGTCCCTC AGAGTCCCCGAATAACAAGGCTAT CCTGATCAGTGCTTGTGAGCGTGG CTGTCGGCTTT< 3' (SEQ ID NO:2)	5' >GCCCAATGCCACAGAGACAGA ATGTGAAGCAGGTGAGTCCTCCAG GGCTGGGTGCACTTTGGGGGTGCC TGCAGCAGAGGTATCCTGGGAAGC AGCTCCCAGTGACTCCATCCTGTG GCCCACAGCCTGCACAGAAGCTTA CGTGAAGGCAGCGGANCAACGGGC CTGCAGTGAGGGGTGCTGGGGCCA GATCCCTGAAC< 3' (SEQ ID NO:3)
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FIGURE 2B

Prepulse Inhibition Profile

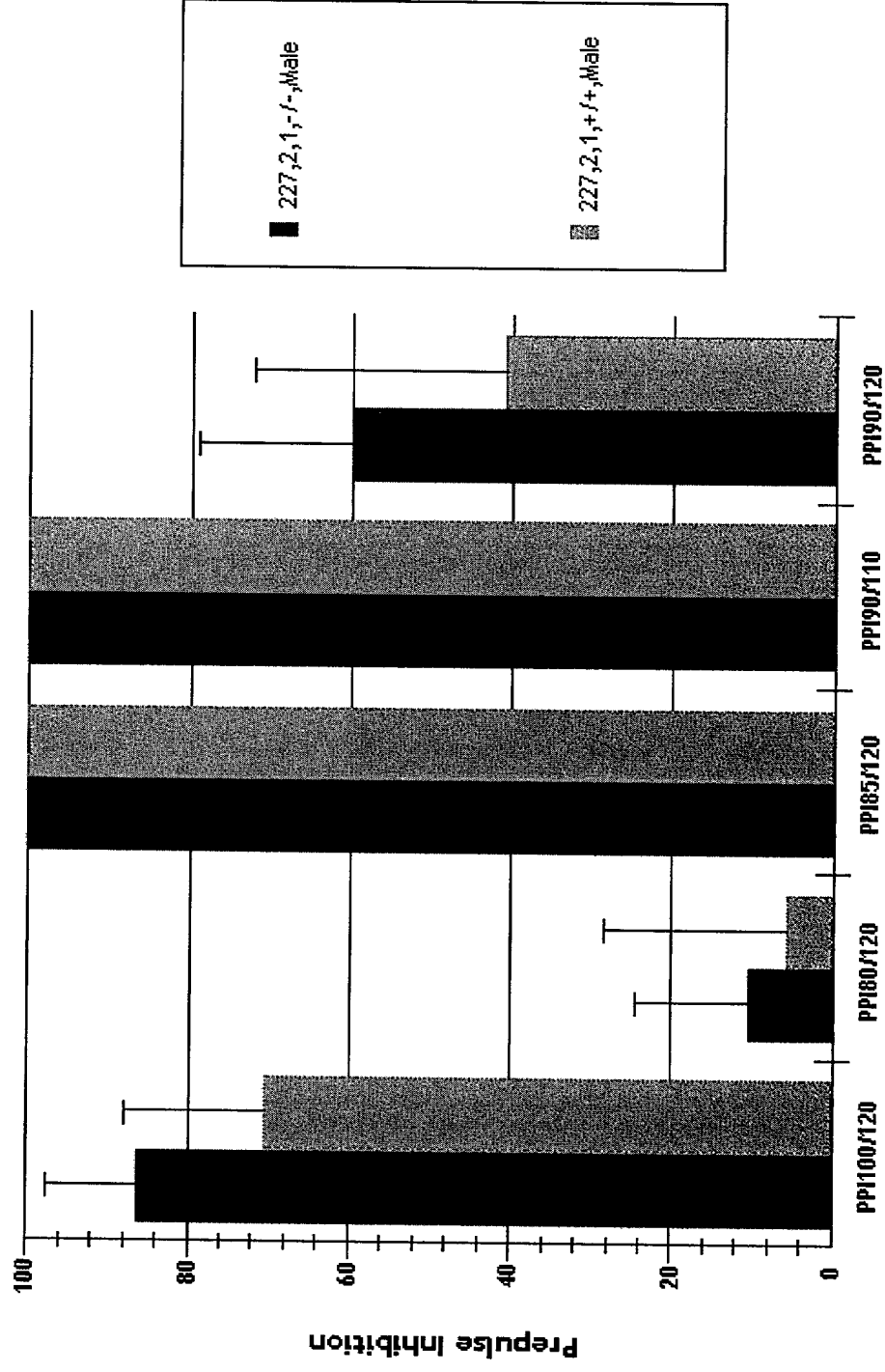


FIGURE 3